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PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-35856

First Inventor

Oliver Sohm

Title

Fast Fourier Transform Operation With Reduced Cache Penalty

Express Mail Label No.

EV334468039

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Commissioner for Patents
P.O. Box 1450, Mail Stop: Patent Application
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.3. ☒ Specification [Total Pages **37**]
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) Informal [Total Sheets **7**]5. Oath or Declaration [Total Pages **2**]

- a. ☒ Newly Executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information: Examiner _____

of prior application No: _____ / _____

Group / Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label**23494**or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME **Robert D. Marshall, Jr.**

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Robert D. Marshall, Jr.

Registration No. (Attorney/Agent)

28,527

Signature

Date

March 25, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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22581 U.S. PTO
10/811356

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**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

Express Mailing Label No.: EV334468039

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$) 770.00

Complete If Known

Application Number

March 25, 2004

Filing Date

Oliver Sohm

First Named Inventor

Examiner Name

Art Unit

TI-35856

Attorney Docket No.

METHOD OF PAYMENT☐ Check ☐ Credit Card ☐ Money Order ☐ Other☒ Deposit AccountDeposit Account
Number
Deposit Account
Name

20-0668

Texas Instruments Incorporated

☐ Charge fee(s) indicated below☐ Credit any overpayments☐ Charge Any Additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770 201 355		Utility filing fee	\$770
1002 340 206 160		Design filing fee	
1003 530 207 245		Plant filing fee	
1004 770 208 355		Reissue filing fee	
1005 160 214 75		Provisional filing fee	
SUBTOTAL (1)			(\$770)

2. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
Total Claims 11	-20** = 0 X 18 = 0	
Independent Claims 2	-3** = 0 X 86 = 0	
Multiple Dependent		290 =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18 203 9		Claims in excess of 20
1201 86 202 40		Independent claims in excess of 3
1203 290 204 135		Multiple dependent claim, if not paid
1204 86 209 40		**Reissue independent claims over original patent
1205 18 210 9		**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissue, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130 205 65		Surcharge - late filing fee of oath	
1052 50 227 25		Surcharge - late provisional filing fee or cover sheet	
1053 130 139 130		Non-English specification	
1812 2,520 147 2,520		For filing a request for <i>ex parte</i> reexamination	
1804 920* 112 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840* 113 1,840*		Requesting publication of SIR after Examiner action	
1251 110 215 55		Extension for reply within first month	
1252 420 216 195		Extension for reply within second month	
1253 950 217 445		Extension for reply within third month	
1254 1,480 218 695		Extension for reply within fourth month	
1255 2,010 228 945		Extension for reply within fifth month	
1401 330 219 155		Notice of Appeal	
1402 330 220 155		Filing a brief in support of an appeal	
1403 290 221 135		Request for oral hearing	
1451 1,510 138 1,510		Petition to institute a public use proceeding	
1452 110 240 55		Petition to revive - unavoidable	
1453 1,330 241 620		Petition to revive - unintentional	
1501 1,330 242 620		Utility issue fee (or reissue)	
1502 480 243 220		Design issue fee	
1503 640 244 300		Plant issue fee	
1460 130 122 130		Petitions to the Commissioner	
1807 50 123 130		Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(a))	
1806 180 126 180		Submission of Information Disc. Stmt	
8021 40 581 40		Recording each patent assignment per property (times no. of properties)	
1809 770 246 355		Filing a submission after final rejection (37 CFR §1.129(a))	
1810 770 249 355		For each additional invention to be examined (37 CFR §1.129(b))	
1801 770 279 355		Request for Cont'd Examination (RCE)	
1802 900 169 900		Req. for expedited exam. of a Design App	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**Complete (if applicable)**

SUBMITTED BY

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Robert D. Marshall, Jr.

Date

March 25, 2004

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